

## ABSTRACT

A feed trough is provided for use in cultivation containers for growing frogs and other amphibians. The feed trough is comprised of a sloped floor. In some embodiments the floor slopes downward to an opening from which, during operation, airflows. The opening is covered by a perforated cover that retains the feed particles collected from the sloped floor and provides sufficient opening for airflow that propels the feed particles from the perforated cover into the airspace of the cultivation container.

During operation, airflow passes through the opening with sufficient force to suspend in the air feed particles that have rolled along the sloped floor, or fallen, onto the perforated cover covering the opening. The movement of the feed particles in the air stimulates feeding by the frogs or other amphibians. Feed that is not consumed falls onto the sloped floor, rolls onto the screen or wire mesh covering the opening, and is resuspended by the airflow. The airflow may be continuous, intermittent, or otherwise programmed.

The air of the airflow may be heated. This serves to dry feed particles that have become moistened, increase ambient temperature to increase growth rates, and/or dry the cultivation container.

In other embodiments a vibrational force is applied to move feed particles to simulate live feed, to stimulate feeding.